

FIG. 1A

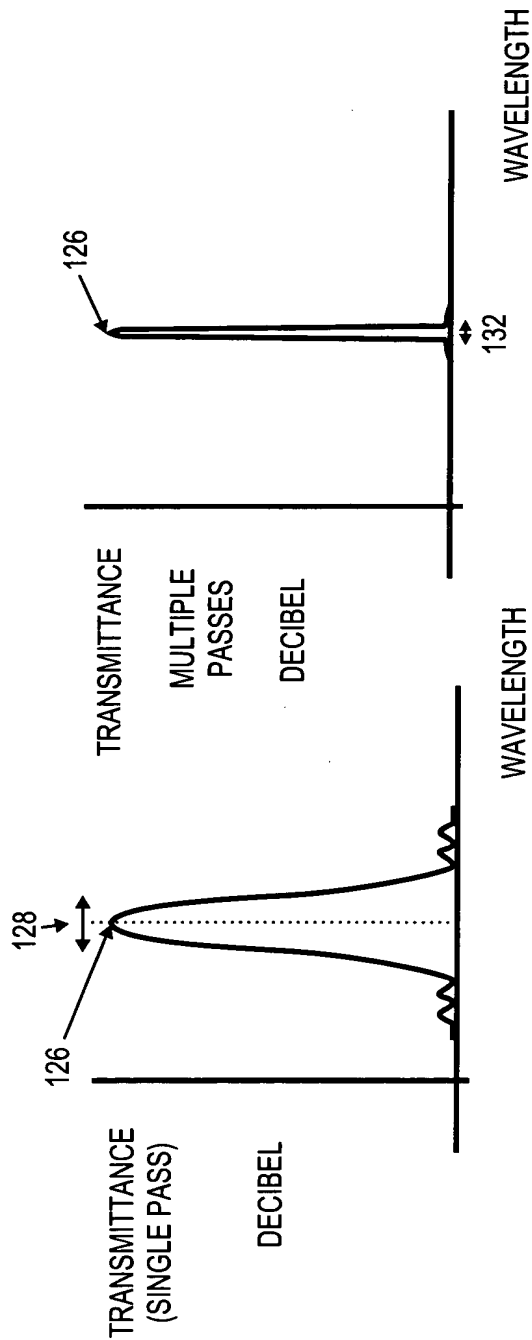
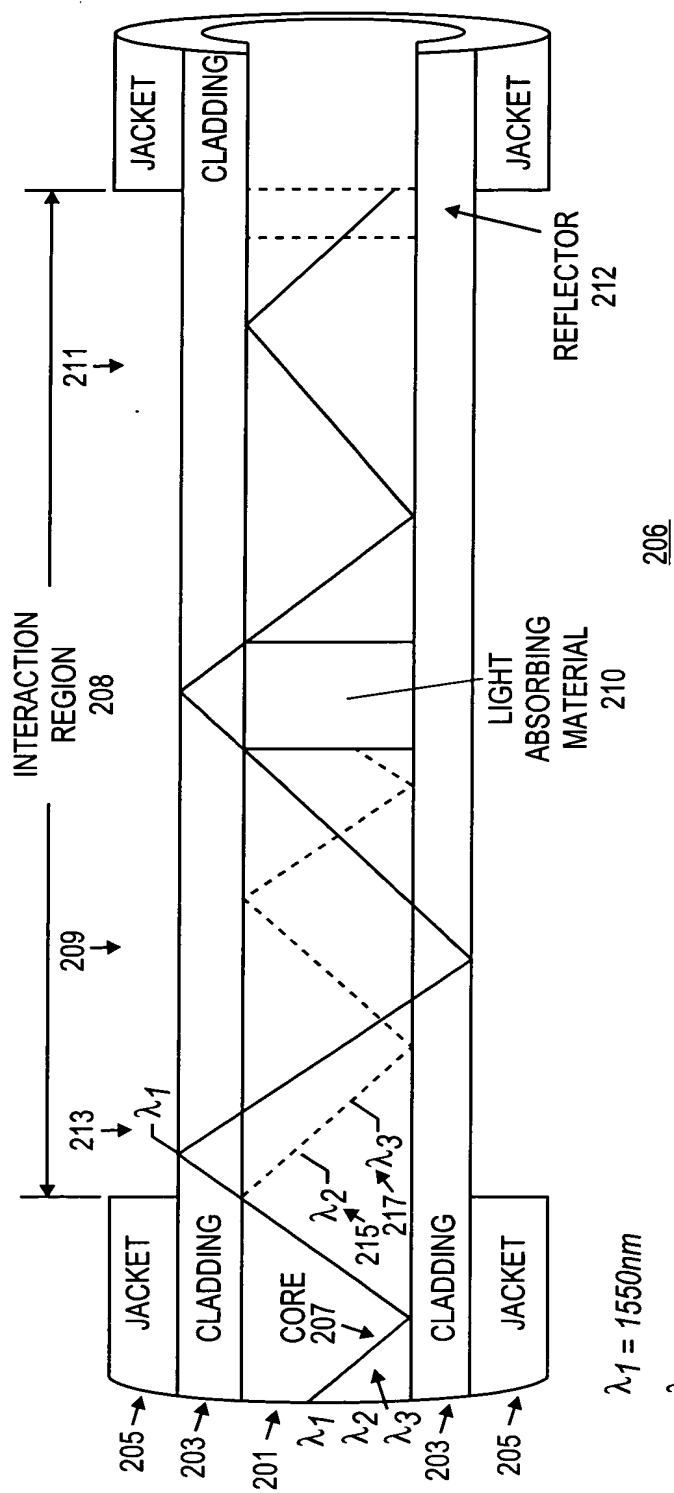


FIG. 1B

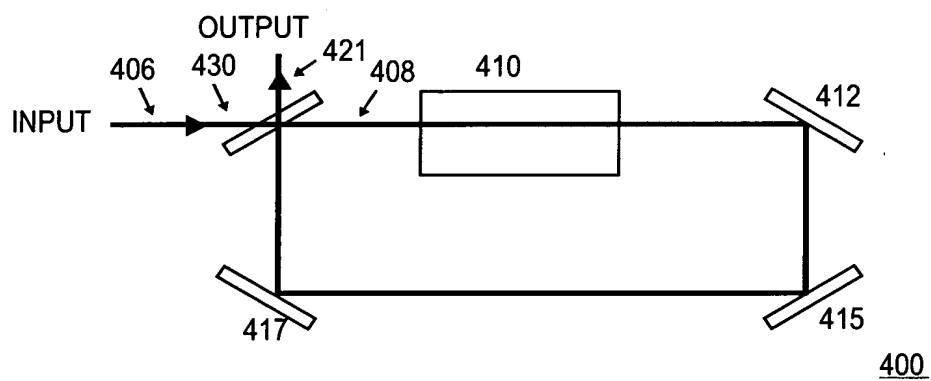
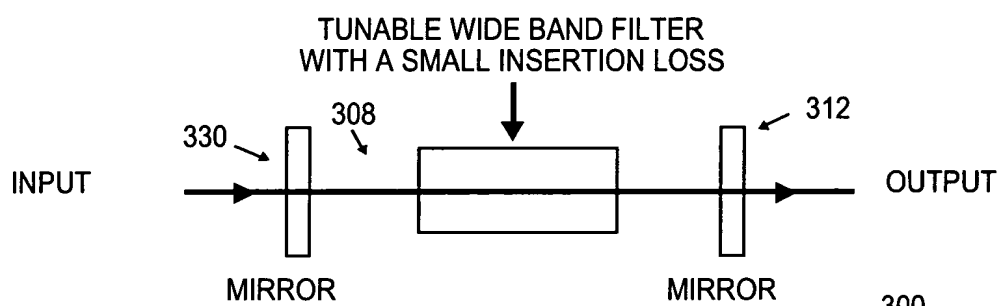


$$\lambda_1 = 1550nm$$

$$\lambda_2 = 1554nm$$

$$\lambda_3 = 1555nm$$

FIG. 2



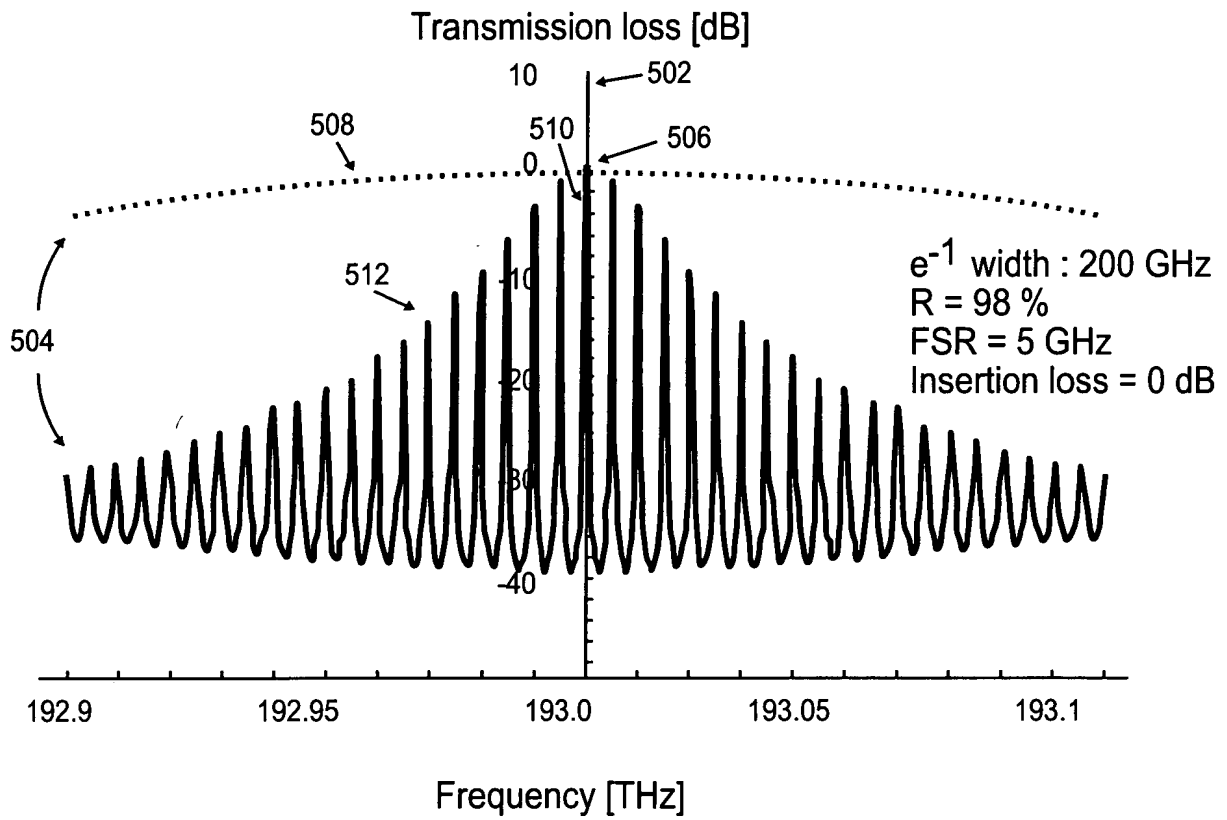


FIG. 5

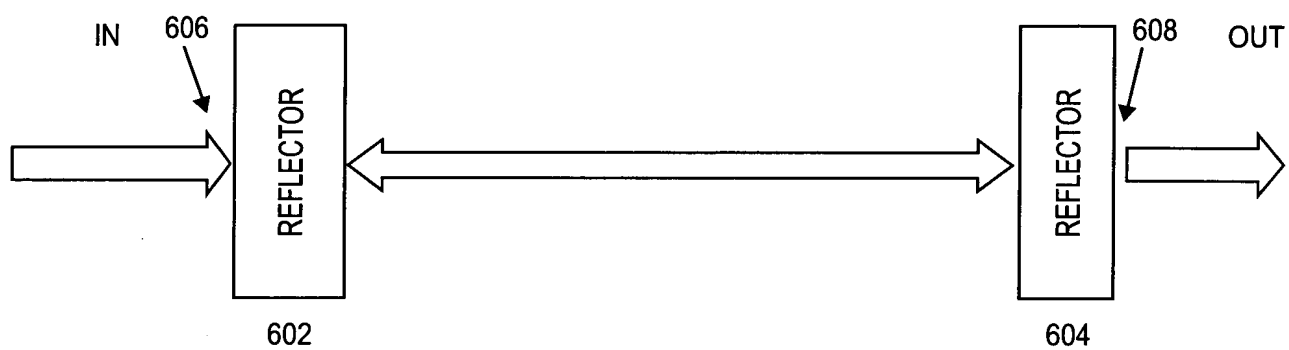


FIG. 6

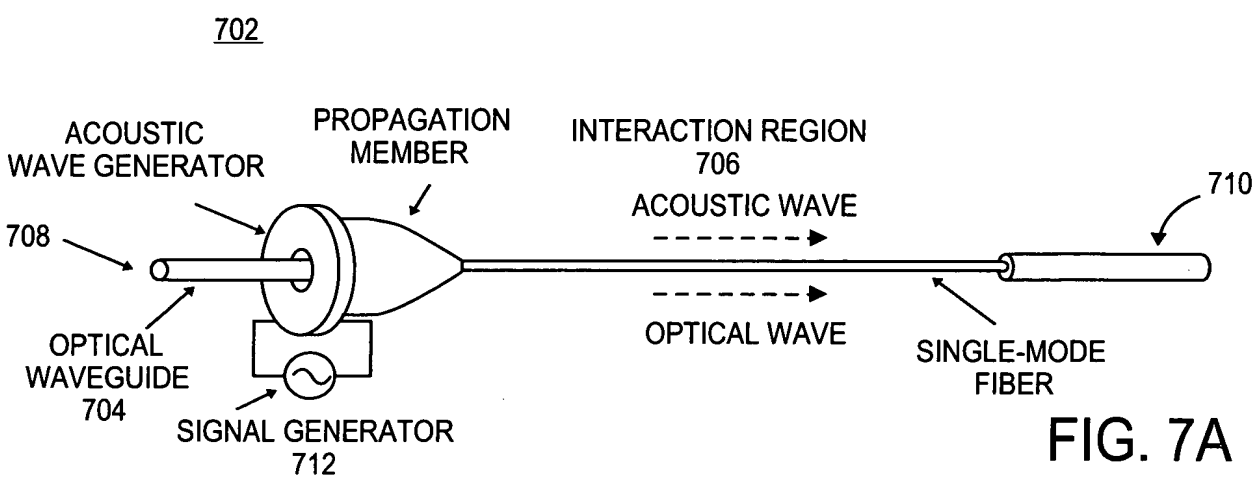


FIG. 7A

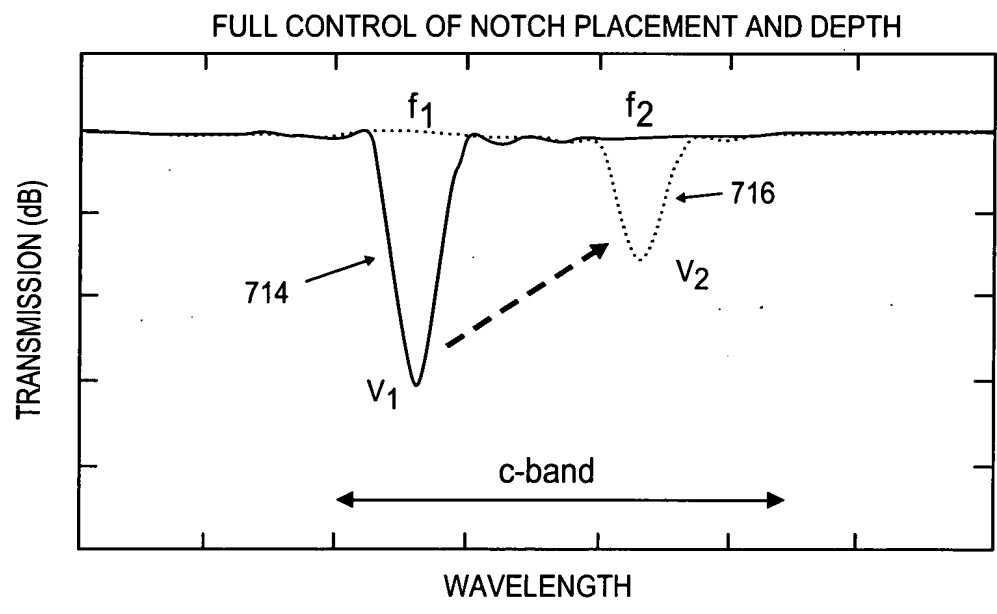


FIG. 7B

# Cascaded Filter Response

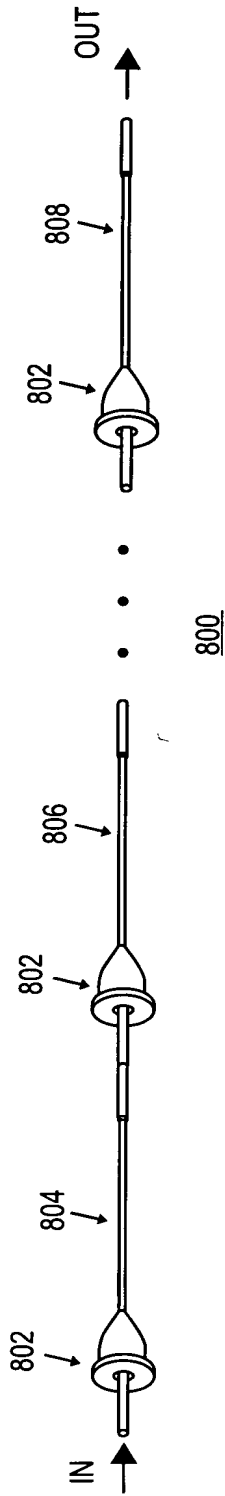


FIG. 8A

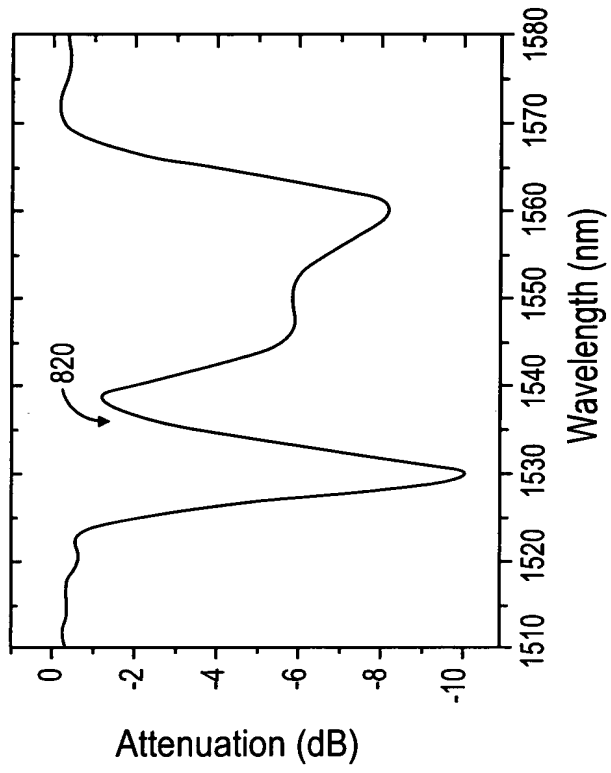


FIG. 8C

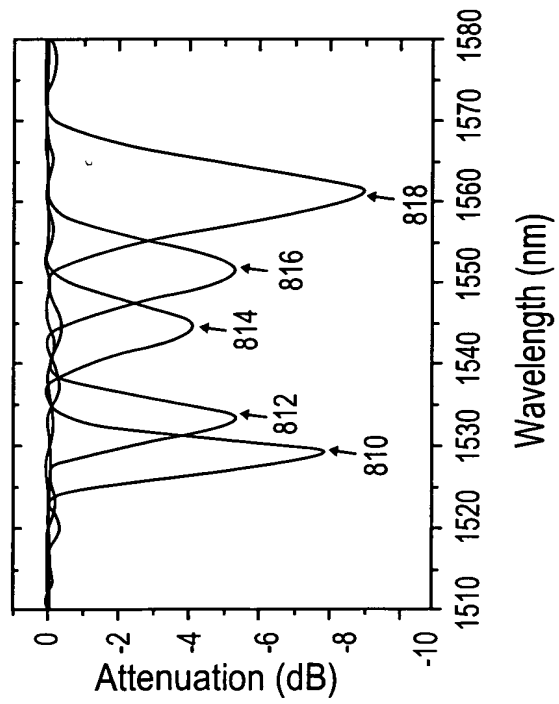


FIG. 8B

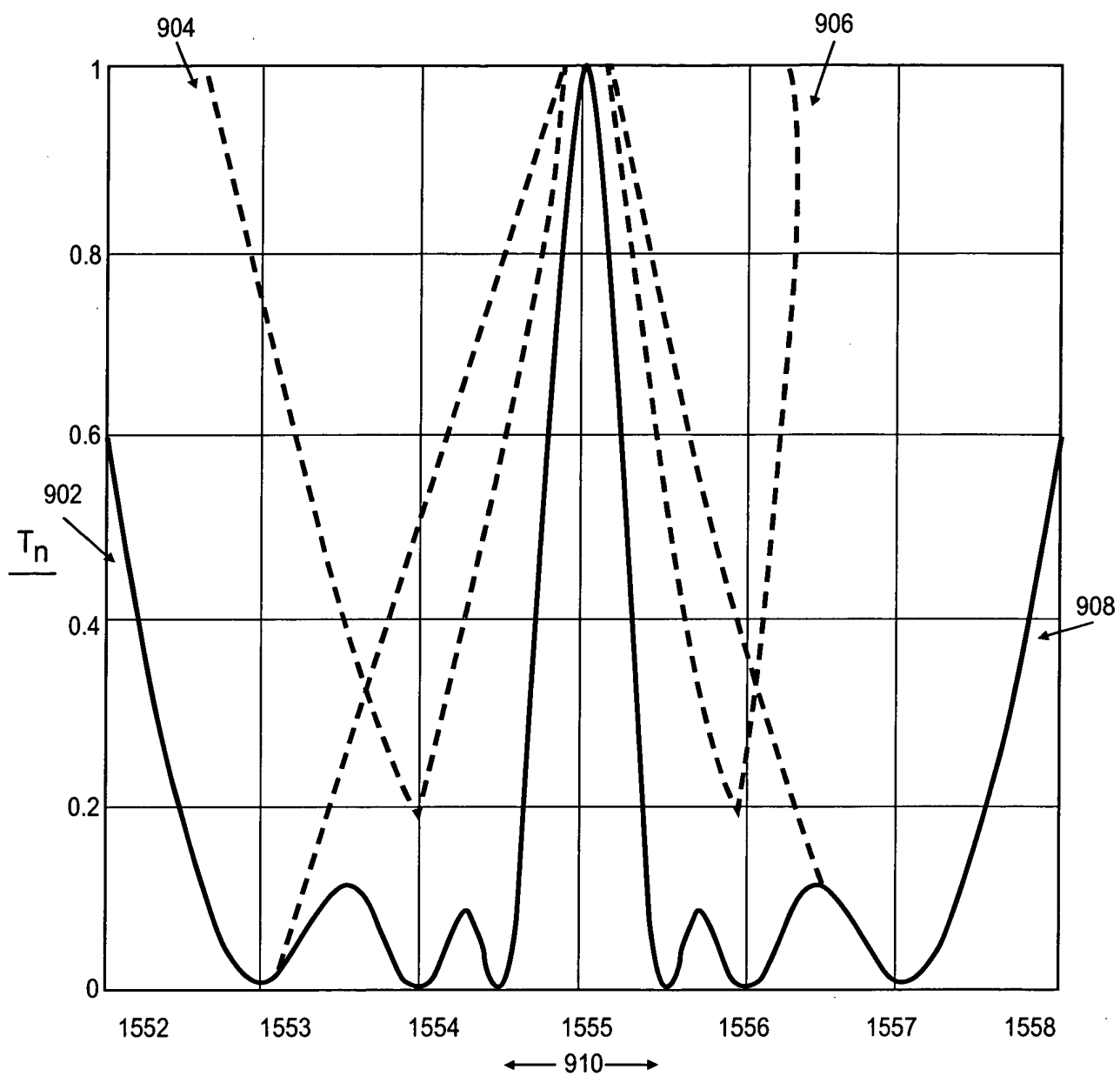


FIG. 9



# Dynamic Filter for Optical Amplifier Gain Shaping

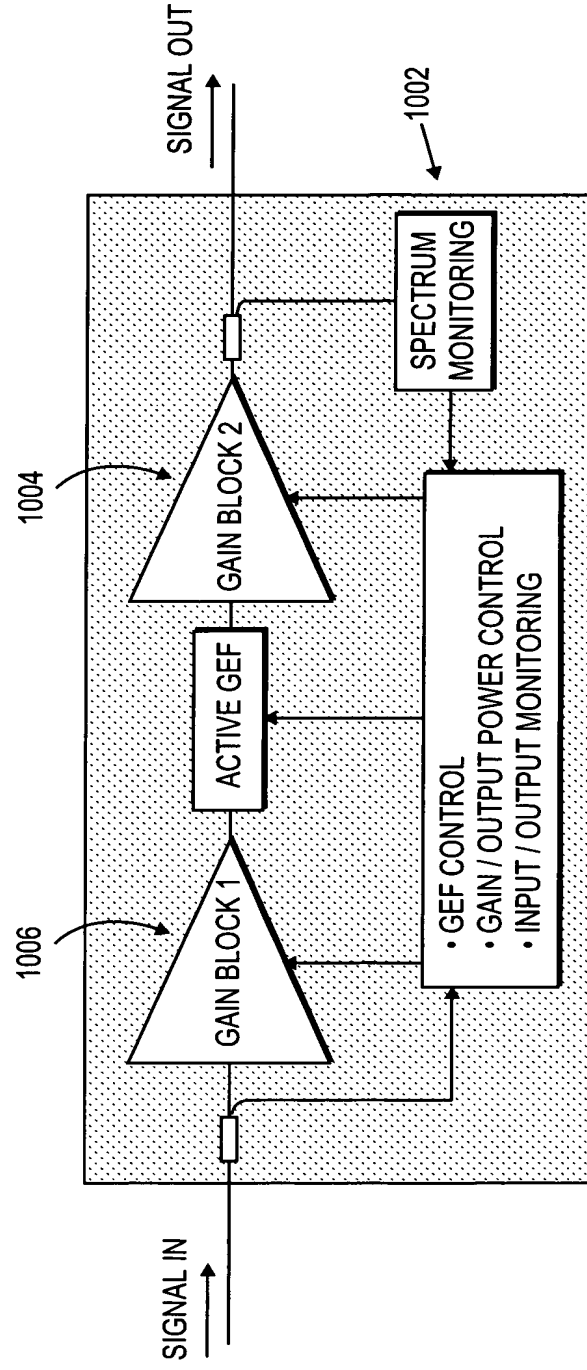


FIG. 10